Native Soybean Glycine max Lectin (SBA), Texas Red-Conjugated

Cat. No. SBA-541S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Soybean Glycine max Lectin (SBA) - Texas Red Blood Group Specificity: Non-specific Preferred Sugar Specificity: α-N-Acetylgalactosamine > β-N-Acetylgalactosamine Inhibiting or Eluting Sugar: N-Acetylgalactosamine Divalent Ions: Ca++, Mn++ Excitation: 595 nm Emission: 615 nm Mitogenic Activity: Yes Hazardous Shipping: Non-hazardous Fluorescence: Red
Species	Soybean
Source	Soybean
Description	Glycine max agglutinin (SBA) is isolated is purified by affinity chromatography. It is consists of four subunits of identical size. SBA has specificity for blood groups A1, A2, and B, and interacts better with neuramidase-treated cells than untreated cells. This lectin has selective affinity for lymphocytes and human CD34+ hematopoietic stem cells. Immobilized conjugates of SBA are important tools for removing T-cells in bone marrow transplants. Texas Red is a red-fluorescent dye and when bound to Glycine max (Soybean) Lectin (SBA) can show the binding pattern of this lectin in cellular imaging applications. There is very little overlap between the emission spectra of

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	Texas Red and FITC making this combination ideal for dual-labeling experiments. Rhodamine dyes, such as Texas Red, are more photostable and less sensitive to pH change when compared to other dyes such as fluorescein.
Form	Liquid
Purity	High Purity Grade
Stability	Shelf Life: 1 year
Storage	At -20 centigrade.
Concentration	5 mg/mL

GENE INFORMATION

Official Symbol	SBA
Synonyms	Glycine max Lectin; SBA

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